

Figure 1

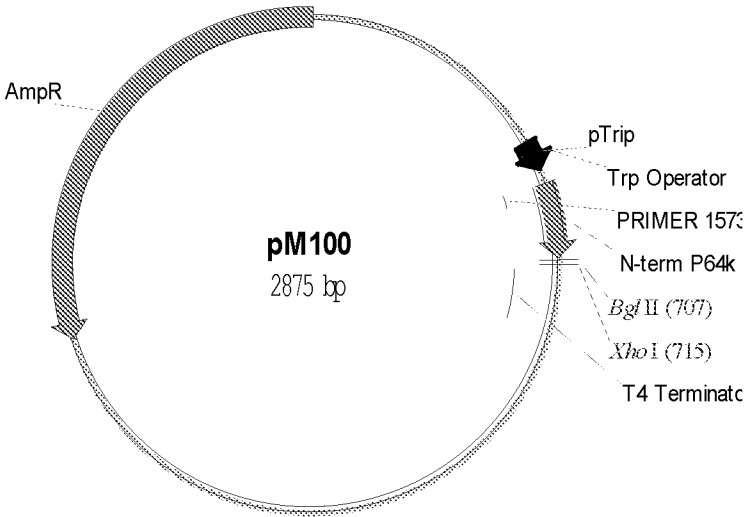
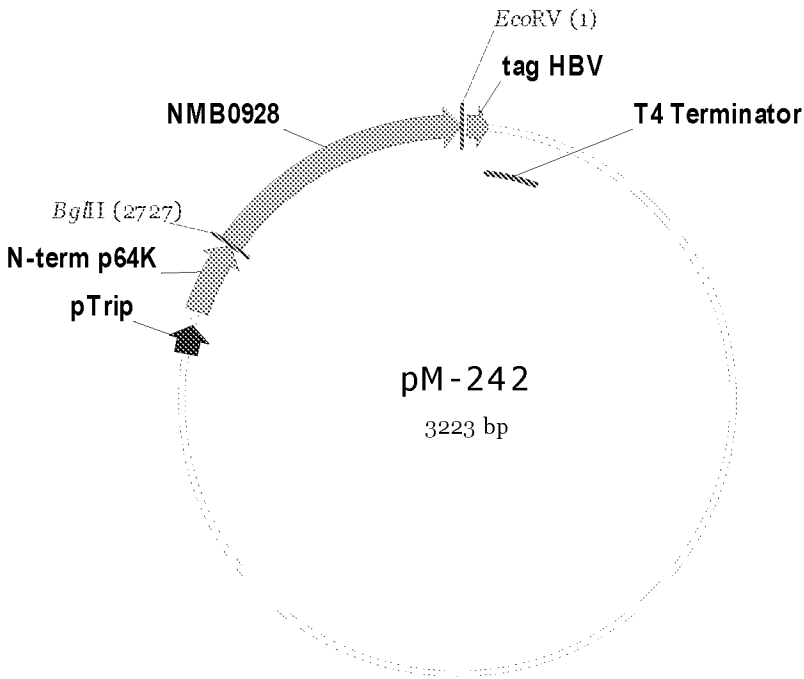


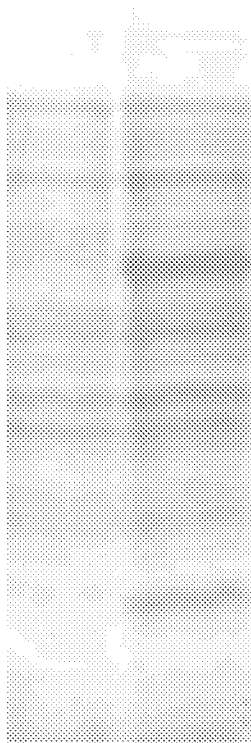
Figure 2



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Figure 3

1 2



NMB0928

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Figure 4

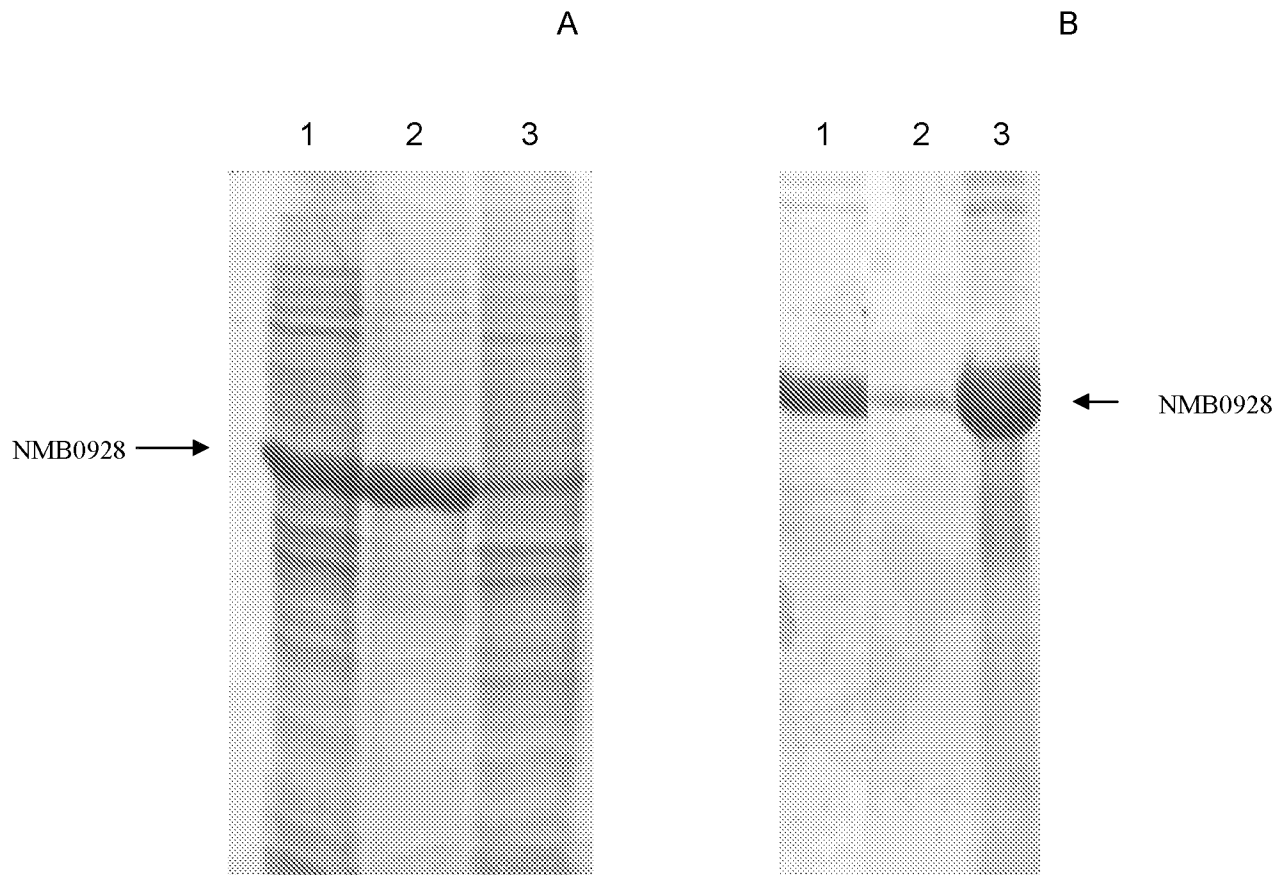


Figure 5

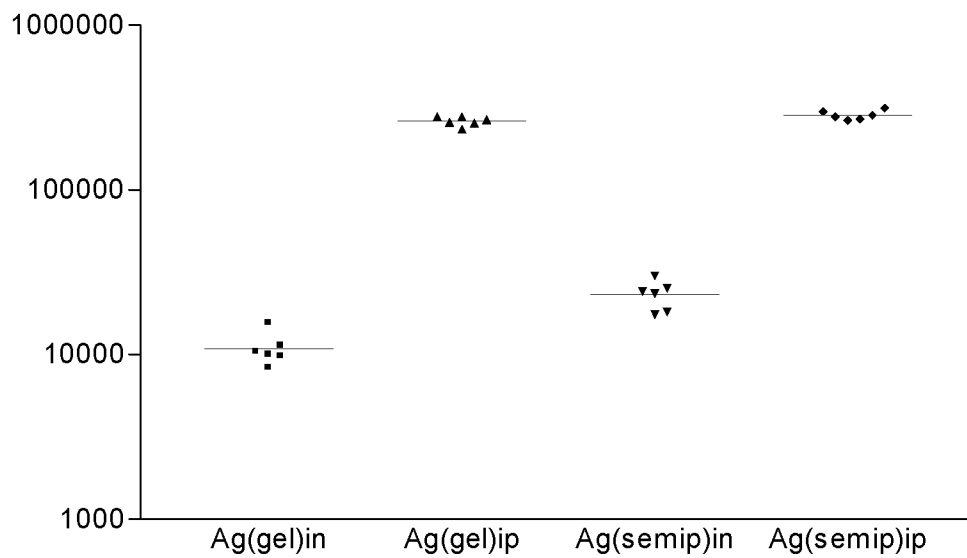


Figure 6

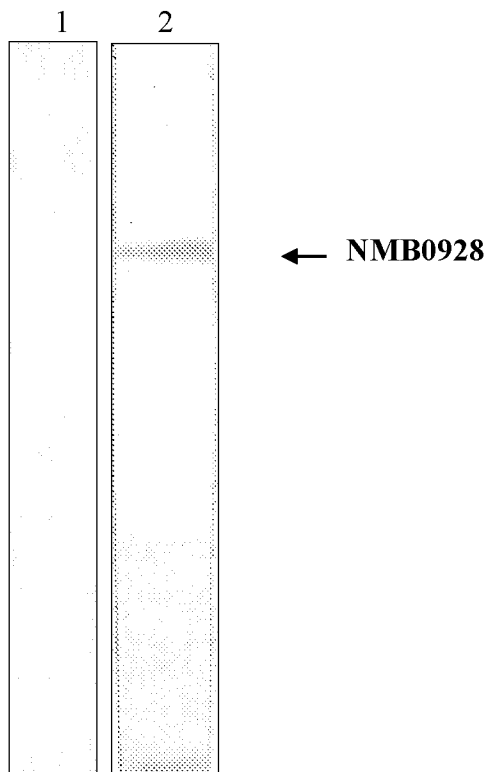


Figure 7

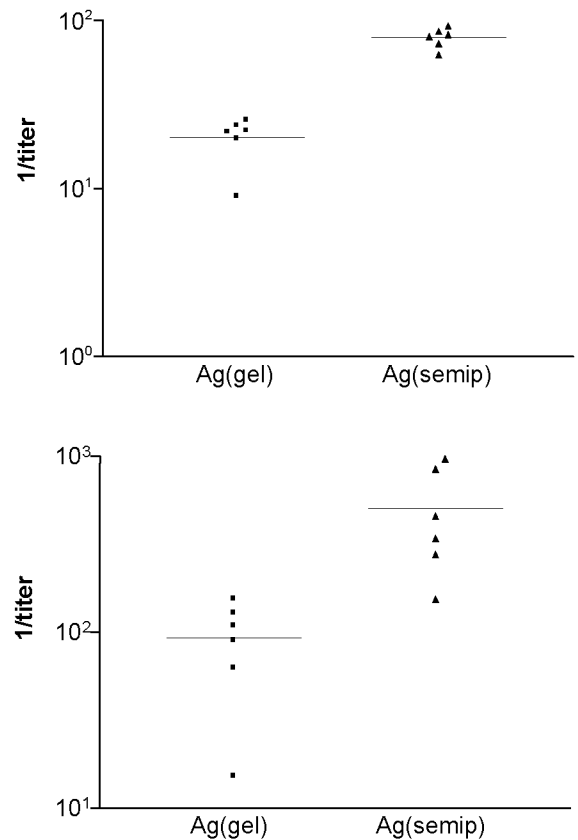


Figure 8

Neisseria meningitides serogroup C

>Neisseria meningitidis FAM18:orf94 108496 109923 PIR:C81141
hypothetical protein NMB0928 [imported] - Neisseria
meningitidis (group B strain MD58)
Length = 1428

Score = 1939 bits (978), Expect = 0.0
Identities = 1038/1058 (98%)
Strand = Plus / Plus

Query: 2 ggcagcaaaacccaagcagcccaagctcgactaccaaagccggtcgcaccgcctgatcaaa 61
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Sbjct: 364 ggcagcaaaacccaagcagcccaagctcgactaccaaagccggtcgcaccgcctgatcaaa 423

Query: 62 cttgaagtcccacctgatttgaacaaccccgaccaaggaacctctaccgcctgcctgcc 121
||

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Sbjct: 424 ctogaagtcccactgatttgaacaaccccgaccaaggcaacctctaccgcctgcctgcc 483

Query: 122 ggttcggggcgcggtccgcgcagcaatttggaaaaacgcgcacacccacggtccaacag 181
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Sbjct: 484 ggttcggggcgcggtccgcgcagcgatttggaaaaacgcgcacacccgcggtccaacag 543

Query: 182 cctgccgatgcogaagtattgaaaagcgtcaaagggtgtccgcctcgagcgcgcagcgcgc 241
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Sbjct: 544 cctgccgatgcogaagtattgaaaagcgtcaaagggtgtccgcctcgagcgcgcagcgcgc 603

Query: 242 caacgctggcgtcgttgcgcagcgcaagtctcctgccgaaatctggcgcctcctgaaagcc 301
|||||

Sbjct: 604 caacgctggcgtcgttgcgcagcgcaagtctcatgccgaaatctggcgcctcctgaaagcc 663

Query: 302 ttttggcaggaaaaacggcttcgacatcaaatccgaagaacccgccatcggaacaaaggaa 361
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Sbjct: 664 ttttggcaggaaaaacggcttcgacatcaaatccgaagaacccgccatcggaacaaaggaa 723

Query: 362 accgagtgggcggaacacgcgcacaaatcccccaagacagcttgccgcgcctcttcgcac 421
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Sbjct: 724 accgagtgggcggaacacgcgcacaaatcccccaagacagcttgccgcgcctatttcgcac 783

Query: 422 aaagtcggcttggcgcgcatctactccaccggcgagcgcgcacaaatcatcgctccgtatc 481
| |||||

Sbjct: 784 acagtcgggttggcgcgcatctactccaccggcgagcgcgcacaaatcatcgctccgtatc 843

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Sbjct: 844 gaacagggcaaaaaacggcgtttccgacatcttcttcgcccacaaagccatgaaagaagtg 903

Query: 542 tacggcggcaaaagacaaagacacgacgcgtatggcagccctccccgtccgatcccaacctc 601
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Sbjct: 904 tacggcggcaaaagacaaagacacgacgcgtatggcagccctccccgtccgatcccaacctc 963

Query: 602 gaagccgctttcctgaagcgcgtttatgcaatatattggcggttgacggacagcaggcgga 661
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Sbjct: 964 gaagccgctttcctgaagcgcgtttatgcaatatattggcggttgacggacagcaggcgga 1023

Query: 662 aacgcacgcgcacaaaaaacctacccttcccgccgccaacgaaatggcgcgatcgaaagc 721
|||||

Sbjct: 1024 aacgcacgcgcacaaaaaacccgaccctgcccgcgcgccaacgaaatggcgcgatcgaaagc 1083

Query: 722 aaaagcctgattgtctttggcgactacggcgagaaactggcgcgacccgtgctcgccctc 781
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Sbjct: 1084 aaaagcctgattgtctttggcgactacggcgagaaactggcgcgacccgtgctcgccctc 1143

Query: 782 gaccgcacgcgggtgacgcgtcggtcaaaaacaccgaacgcacgccttcttggtcaa 841
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Sbjct: 1144 gaccgcacgcgggtgacgcgtcggtcaaaaacaccgaacgcacgccttcttggtcaa 1203

Query: 842 aaagccccgaacgaaagcaatgcagttaccgaacaaaaacccggcgtgttcaaacgcctg 901
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Sbjct: 1204 aaagccccgaacgaaagcaatgcagttaccgaacaaaaacccggcgtgttcaaacgcctg 1263

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|||||

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Sbjct: 1264 ctgggcaaaggcaaagcggagaaacctgccgaacagccggaactgattgtctatgccgag 1323

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Sbjct: 1324 cctgtcgccaacggctcgcgcatcgctcgtctcaacaaagacggcagcgcatatgccggc 1383

Query: 1022 aaagacgcattccgattattgggcaaactccattccga 1059
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Sbjct: 1384 aaagacgcattccgattattgggcaaactccattccga 1421

Neisseria meningitides serogrupo A

>Nm meningitidis E2491:gi 7378817 1073887 1072760 putative
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Score = 1963 bits (990), Expect = 0.0
Identities = 1041/1058 (98%)
Strand = Plus / Plus

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Sbjct: 61 ggcagcaaaacggaacagcccaagctcgactaccaagccggcgcaccgcctgatcaaa 120

Query: 62 cttgaagtcccacctgatttgaacaaccccgaccaaggcaacctctaccgcctgcctgcc 121
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Sbjct: 121 ctcgaagtcccacctgatttgaacaaccccgaccaaggcaacctctaccgcctgcctgcc 180

Query: 122 ggttcggggcgccgctccgcgccagcaatttggaaaaaacgcgcacacccaccgctccaacag 181
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Sbjct: 181 ggttcggggcgccgctccgcgccagcgatttggaaaaaacgcgcacacccaccgctccaacag 240

Query: 182 cctgccgatgccgaagtattgaaaagcgtcaaagggtgtccgcctcgagcgcgacggcagc 241
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Sbjct: 241 cctgccgatgccgaagtattgaaaagcgtcaaagggtgtccgcctcgagcgcgacggcagc 300

Query: 242 caacgctggctcgttgtcgacggcaagtctcctgccgaaatctggccgctcctgaaagcc 301
|||||
Sbjct: 301 caacgctggctcgttgtcgacggcaagtctcatgccgaaatctggccgctcctgaaagcc 360

Query: 302 ttttggcaggaaaaacggcttcgacatcaaataccgaagaacccgccatcggaacaaaggaa 361
|||||
Sbjct: 361 ttttggcaggaaaaacggcttcgacatcaaataccgaagaacccgccatcggaacaaaggaa 420

Query: 362 accgagtgggcggaacacggcgccaaaatcccccaagacagcttgcgccgcctcttcgac 421
|||||
Sbjct: 421 accgagtgggcggaacacggcgccaaaatcccccaagacagcttgcgccgcctatttcgac 480

Query: 422 aaagtcgggcttggggcgcatctactccacggcgagcgcgacaaattcatcgctccgtatc 481
| |||||
Sbjct: 481 acagtcgggttggggcgcatctactccacggcgagcgcgacaaattcatcgctccgtatc 540

Query: 482 gaacagggcaaaaaacggcgctttccgacatcttcttcgcccacaaagccatgaaagaagtg 541
|||||
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Query: 542 tacggcggcaaaagacaaagacacgacgctatggcagccctccccgctccgatcccaacctc 601
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Sbjct: 601 tacggcggcaaaagacaaagacacgacgctatggcagccctccccgctccgatcccaacctc 660

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Sbjct:	661	gaagccgctttcctgacgcgcgtttatgcaatatattggcggttgacggacagcaggcgcaa	720
Query:	662	aacgcatacggaacaaaaaacctacccttcccgccgccaacgaaatggcgogtatogaagaac	721
Sbjct:	721	aacgcatacggaacaaaaaacctacccttcccgccgccaacgaaatggcgogtatogaagaac	780
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Query:	1022	aaagacgcataccgcattattgggcaaaactccattccga	1059
Sbjct:	1081	aaagacgcataccgcattattgggcaaaactccattccga	1118

Neisseria meningitidis serogrupo B
>Nm meningitidis MCG8:gi_7226166_944053_942857 hypothetical protein
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Identities = 1051/1058 (99%)
Strand = Plus / Plus

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            |||

Query: 62      cttgaagtccacactgatttgaacaaccccgaccaaggcaacctctaccgcctgcctgcc 121
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Sbjct: 190    cttgaagtccacactgatttgaacaaccccgaccaaggcaacctctaccgcctgcctgcc 249
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Query: 122     ggttcgggcgcgctccgcgccagcaatttggaaaaacgcgcacacccaccgtccaacag 181
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Sbjct: 250    ggttcgggcgcgctccgcgccagcgatttggaaaaacgcgcacacccaccgtccaacag 309
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Query: 182     cctgccgatgccgaagtattgaaaagcgtcaaagggtgtccgcctcgagcgcgacggcagc 241
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Sbjct: 310    cctgccgatgccgaagtattgaaaagcgtcaaagggtgtccgcctcgagcgcgacggcagc 369
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Query: 242 caacgctggctcgttgtcgacggcaagtctcctgccgaaatctggcgcgtcctgaaagcc 301
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Query: 302 ttttggcaggaaaaacggcttcgacatcaaatccgaagaaccgcccatcgacaaaaaggaa 361
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Sbjct: 430 ttttggcaggaaaaacggcttcgacatcaaatccgaagaaccgcccatcgacaaaaaggaa 489

Query: 362 accgagtggcggaacacggcgcacaaatcccccaagacagcttgcgccgcctcttcgac 421
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Sbjct: 490 accgagtggcggaacacggcgcacaaatcccccaagacagcttgcgccgcctcttcgac 549

Query: 422 aaagtcggcttggcgggcatctactccacggcgagcgcgacaaattcatcgctccgtatc 481
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Sbjct: 550 aaagtcggcttggcgggcatctactccacggcgagcgcgacaaattcatcgctccgtatc 609

Query: 482 gaacaggggcaaaaacggcgtttccgacatcttcttcgcccaaaagccatgaaagaagtg 541
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Sbjct: 610 gaacaggggcaaaaacggcgtttccgacatcttcttcgcccaaaagccatgaaagaagtg 669

Query: 542 tacggcggcaaaagacaaagacacgacgctatggcagccctccccgtccgatcccaacctc 601
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|||||
Sbjct: 1150 aaagacgcacccgattatttgggcaaaactccattccga 1187

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Neisseria gonorrhoeae

>*Neisseria gonorrhoeae* FA1090:orf928 922099 923526 PIR:C81141
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meningitidis (group B strain MD58)
Length = 1428

Score = 1685 bits (850), Expect = 0.0
Identities = 1006/1058 (95%)
Strand = Plus / Plus

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Sbjct: 364    ggcagcaaaaccgaacagcccaagctcgactaccaagccggtcgacccgctgatcaaa 423

Query: 62      cttgaagtccacctgatttgaacaaccccgaccaaggaacctctaccgctgcctgcc 121
             ||
Sbjct: 424    ctcgaagtcccgctgatttgaacaaccccgaccaaggaacctctaccgctgcctgcc 483

Query: 122     ggttcgggcgccgtccgcgcagcaatttgaaaaacgcgcacacccaccgtccaacag 181
             |||
Sbjct: 484    ggttcgggagccgtccgcgcagcgatttgaaaaacgcgcacacccgcggtccaacag 543

Query: 182     cctgccgatgccgaagtattgaaaagcgtcaaagggtgtccgcctcgagcgcgacggcagc 241
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Sbjct: 544    ccagccgatgccgaagtattgaaaagcgtcaaaggcgtccgcctcgagcgcgacggcagc 603

Query: 242     caacgctggctcgttgcgacggcaagtctcctgccgaaatctggccgctcctgaaagcc 301
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Sbjct: 604    caacgctggcttgcgacggcaaatccccgcgaaatctggccgcttctgaaagcc 663

Query: 302     ttttggcaggaacacggcttcgacatcaaatccgaagaacccgccatcggaacaaaggaa 361
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Sbjct: 664    ttttggcaggaacacggcttcgacatcgaaatccgaagaacccgccatcggaacaaaggaa 723

Query: 362     accgagtggcggaacacccgcgcaaaatcccccaagacagcttgccgcgcctcttcgac 421
             |||
Sbjct: 724    accgagtggcggaacacccgtgcgaatcccccaagacagcttgccgcgcctatttcgac 783

Query: 422     aaagtcggcttggcgccatctactccaccggcgagcgcgacaaattcatcgctccgtatc 481
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Sbjct: 784    acagtcggcttggcgccatctactccaccggcgagcgcgacaaattcatcgctccgtatc 843

Query: 482     gaacagggcaaaaacggcgtttccgacatcttcttcgcccaaaagccatgaaagaagtg 541
             |||
Sbjct: 844    gaacagggcaaaaacggcgtttccgacatcttcttcgcccaaaagccatgaaagaagtg 903

Query: 542     tacggcggcaaaagacaaagacacgacgctatggcagccctccccgtccgatcccaacctc 601
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Sbjct: 904    tatggcgacaaaaacaaagacacgacgctatggcagccttccgcttcgaccccaacctt 963

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Sbjct: 1144 gaccgcatcggactgaccgtcgctcggtcaaaacacccaacccacgccttcctgggtcaa 1203

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Figure 9

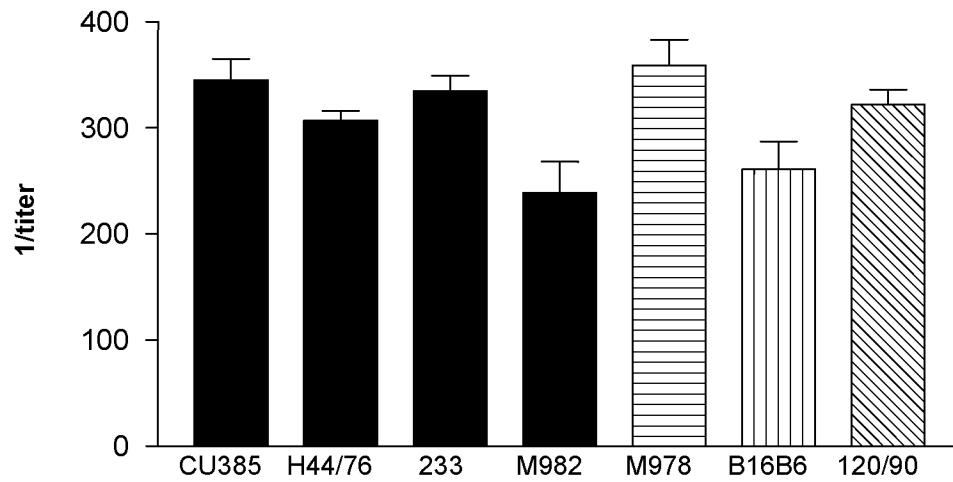
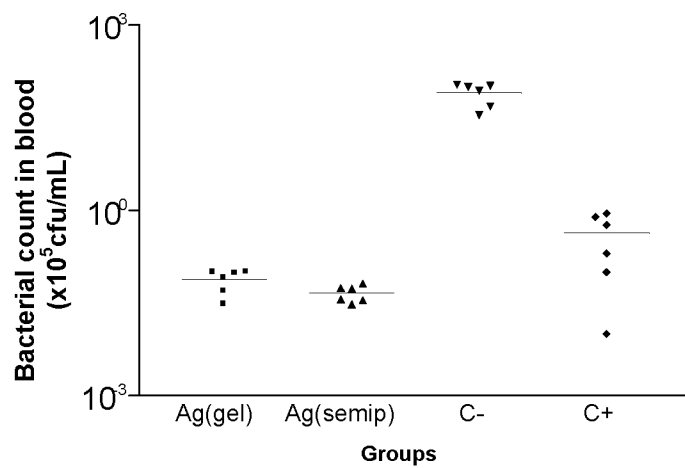


Figure 10



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Figure 11

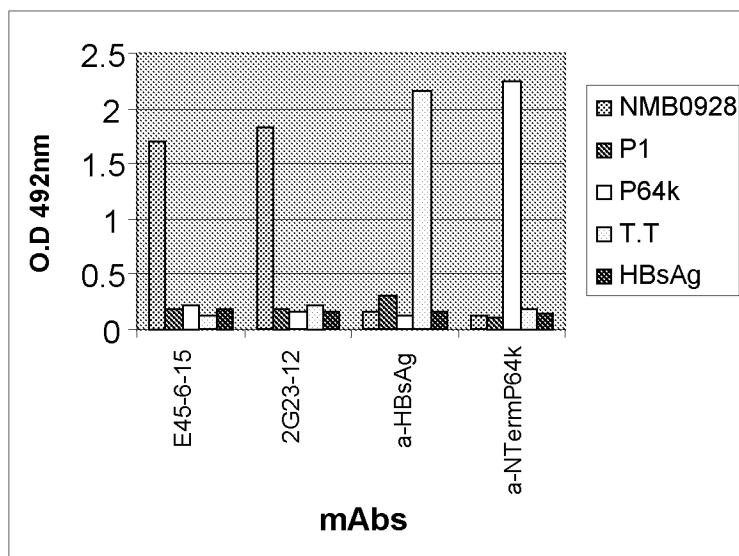


Figure 12

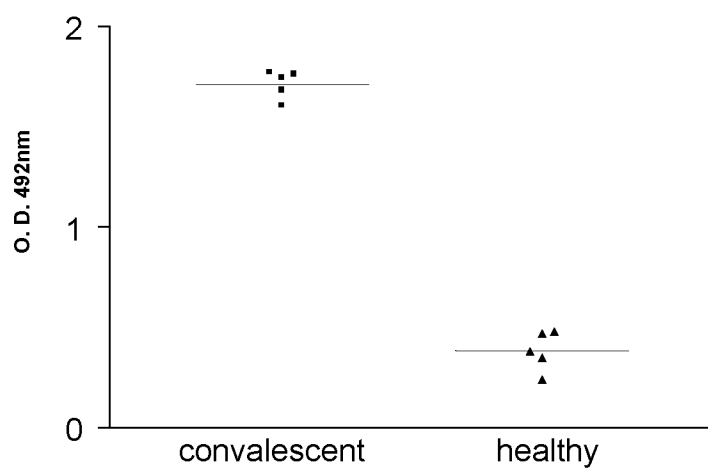


Figure 13